

TORRETTE TR E RANGE

Centrifugal roof fans for horizontal discharge

Suitable for application in residential and industrial environments, for factories, hospitals, nightclubs, offices, theatres, apartment blocks, gyms, restaurants, etc...
Easy to install on top of all roofs.



- **20 models: 6 single-phase and 14 three-phase.**
- Impeller with self-cleaning reverse blades; RD rotation looking from the intake side.
- Metal frame with anti-corrosion epoxy coating to guarantee a long service life and resistance to atmospheric agents.
- Air intake inlet with aerodynamic section, in sheet steel protected by polyester paint.
Grille with steel ring, provides accident protections and functions as an anti-bird guard.
- Asynchronous induction motor, protection rating IP55, standard size UNELMEC B5, auto-ventilated, rotor mounted on ball bearings.
- Rotation speed can be adjusted using optional speed controllers.
- Flow rates of up to 18000 m³/h.
- Insulation class: I. ⊕
- *Available also in special version for hot fumes extraction (engineered for 2 hours continuous operation with fumes at 400 °C).*

For all technical and performance informations see the Vortice's Catalogue (Product Guide 21).

TECHNICAL DATA

	Models	Code	W	A	POLES	RPM	Max Airflow		Max Pressure		Lp dB(A)*	Max °C
							m ³ /h	l/s	mmH ₂ O	Pa		
Single-phase	TRM 10 E 4P	15115	100	0.50	4	1400	1100	306	22	216	56	90
	TRM 15 E 4P	15205	150	0.70	4	1400	1400	389	26	255	58.5	80
	TRM 20 E 4P	15216	280	1.30	4	1415	2600	722	36	353	62	85
	TRM 30 E 4P	15356	400	1.80	4	1425	3300	917	44	432	67	70
	TRM 50 E 4P	15556	800	3.70	4	1480	4800	1333	55	540	72.5	80
	TRM 70 E 4P	15070	1000	4.35	4	1415	6400	1778	67.5	662	77	90
Three-phase	TRT 10 E 4P	15155	100	0.30	4	1400	1100	306	22	216	56	90
	TRT 15 E 4P	15255	150	0.30	4	1400	1400	389	26	255	58.5	90
	TRT 20 E 4P	15215	300	0.60	4	1400	2700	750	35	343	62	90
	TRT 30 E 4P	15355	400	0.75	4	1400	3200	889	46	451	67	90
	TRT 50 E 4P	15555	800	1.45	4	1400	4900	1361	61	598	72.5	90
	TRT 70 E 4P	15071	950	1.85	4	1440	6400	1778	69	674	77	90
	TRT 70 E 6P	15072	600	1.30	6	950	7000	1944	38	373	74	90
	TRT 100 E 4P	15073	1900	3.25	4	1420	10000	2778	84.5	830	84	70
	TRT 100 E 6P	15074	1100	2.30	6	950	10800	3000	48	471	77	85
	TRT 100 E 8P	15075	930	2.10	8	715	11000	3056	34	334	71	80
	TRT 150 E 6P	15076	1930	3.45	6	930	15000	4167	61	598	80	80
	TRT 150 E 8P	15077	1600	3.10	8	715	15000	4167	45	441	74	75
	TRT 180 E 6P	15078	3100	5.95	6	970	16000	4444	79	775	83	80
	TRT 210 E 6P	15079	3400	6.40	6	980	18000	5000	79	775	84	70

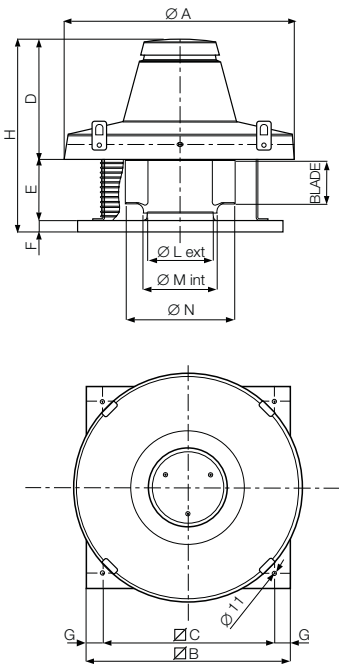
* The sound pressure values conform to standard ISO 3744.

The appliances are designed so that they are able to operate at an air temperature more than 65°C.

Electric supply: 230 V ~ 50 Hz (Single-phase)
400 V ~ 50 Hz (Three-phase).



DIMENSIONS



Models	Ø A	∅ B	∅ C	D	E	F	G	H	Ø L	Ø M	Ø N	Kg
TRM 10 E 4P	600	410	357	310	108	38	26.5	456	170	187.5	283	14.5
TRM 15 E 4P	600	410	357	310	108	38	26.5	456	182	199	315	15
TRM 20 E 4P	780	550	500	398	128	38	25	564	219	236.5	359	22
TRM 30 E 4P	780	550	500	398	146	38	25	582	244	265.5	404	23
TRM 50 E 4P	780	550	500	398	173	38	25	609	278	298	454	28
TRM 70 E 4P	1015	830	750	449	283	38	40	770	328	335	504	79
TRT 10 E 4P	600	410	357	310	108	38	26.5	456	170	187.5	283	14.5
TRT 15 E 4P	600	410	357	310	108	38	26.5	456	182	199	315	15
TRT 20 E 4P	780	550	500	398	128	38	25	564	219	236.5	359	22
TRT 30 E 4P	780	550	500	398	146	38	25	582	244	265.5	404	23
TRT 50 E 4P	780	550	500	398	173	38	25	609	278	298	454	28
TRT 70 E 4P	1015	830	750	449	283	38	40	770	328	335	504	77
TRT 70 E 6P	1015	830	750	449	283	38	40	770	365	375	564	80
TRT 100 E 4P	1015	830	750	449	283	38	40	770	365	375	564	81
TRT 100 E 6P	1165	980	900	605	383	38	40	1026	415	421	635	117
TRT 100 E 8P	1165	980	900	605	383	38	40	1026	465	472	715	127
TRT 150 E 6P	1165	980	900	605	383	38	40	1026	465	472	715	128
TRT 150 E 8P	1165	980	900	605	383	38	40	1026	520	529	805	132
TRT 180 E 6P	1165	980	900	605	383	38	40	1026	520	529	805	130
TRT 210 E 6P	1165	980	900	605	383	38	40	1026	520	529	805	180

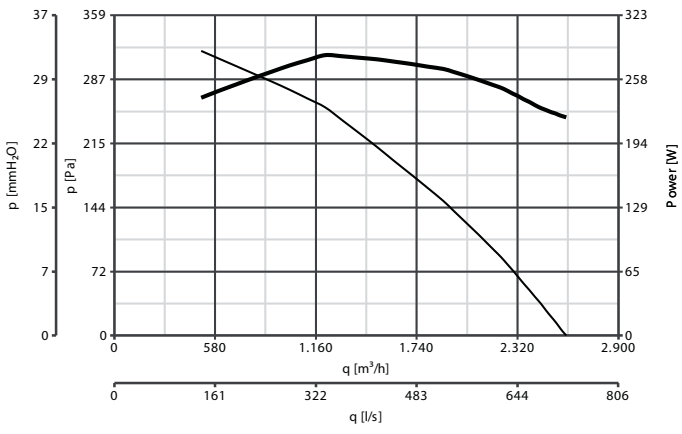
Dimensions (mm)

ACCESSORIES

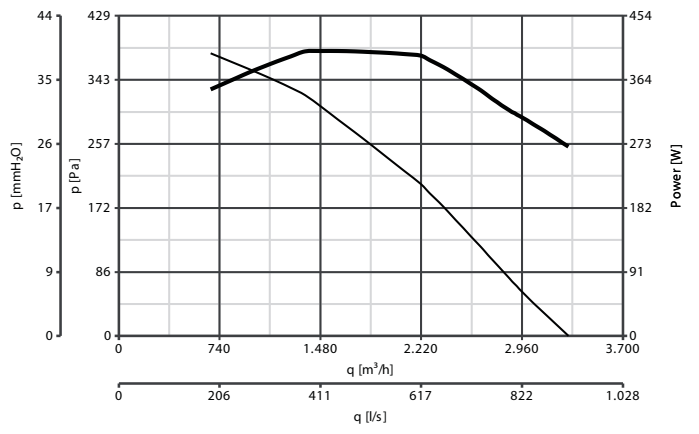
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	IRM 30 Three position single-phase speed controller	12921	●	●																		
	IRM 40 Three position single-phase speed controller	12922			●																	
	IRM 50 Three position single-phase speed controller	12928				●																
	IRT 15 Three position three-phase speed controller	12923						●	●	●												
	IRT 35 Three position three-phase speed controller	12924									●	●		●				●				
IRT 40 Three position three-phase speed controller	12927				●							●		●								
	IREM 3 Single-phase speed controller	12931	●	●	●	●																
	IREM 5 Single-phase speed controller	12932				●	●															
	IREM 9 Single-phase speed controller	12933					●	●														
	IRET 6 Three-phase speed controller	12934										●	●		●	●	●	●				



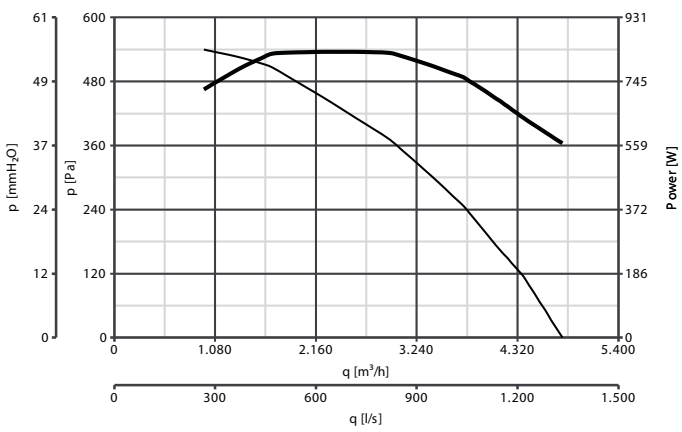
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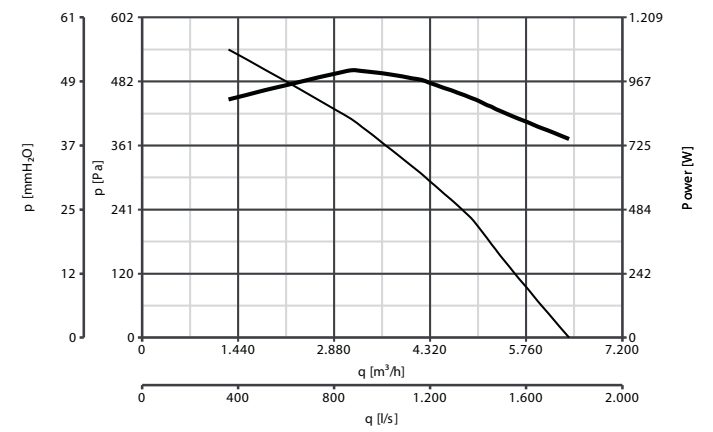
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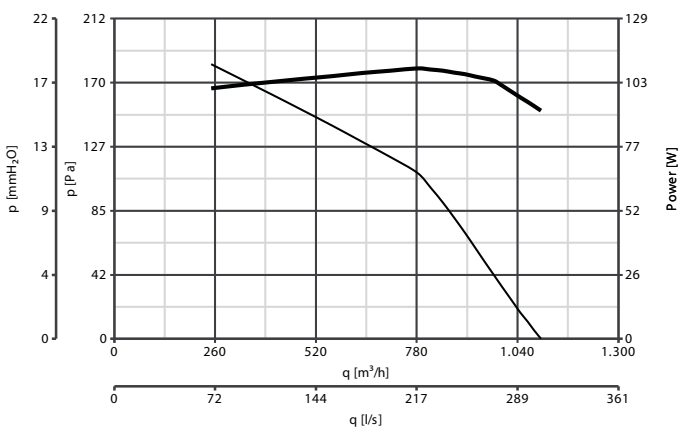
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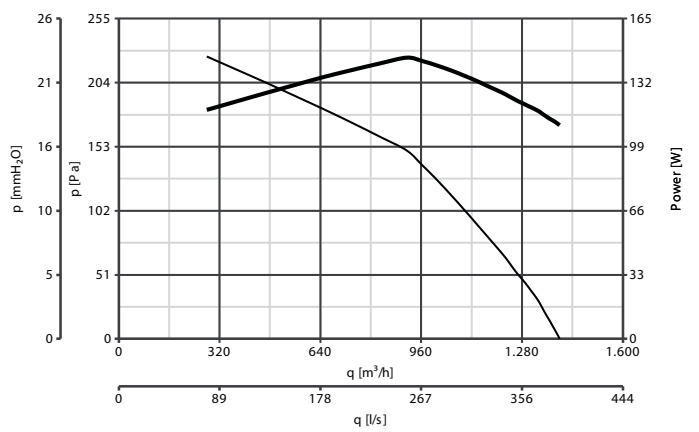
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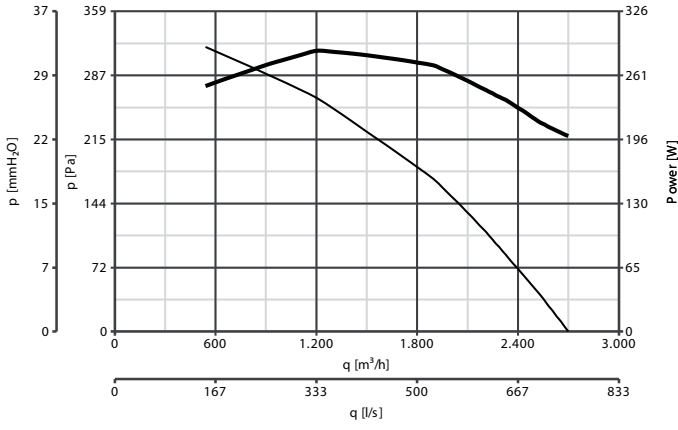
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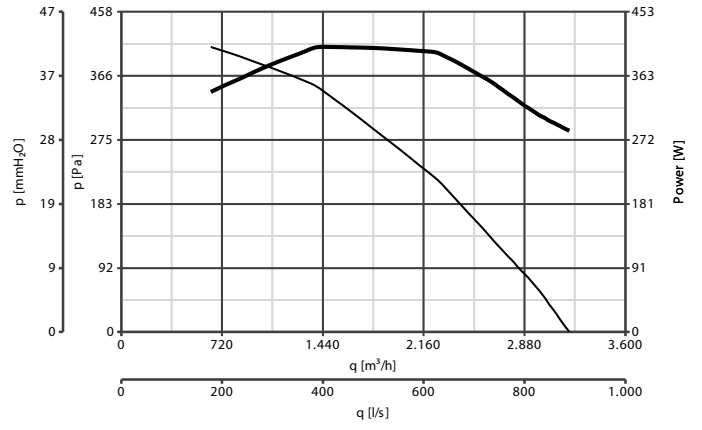
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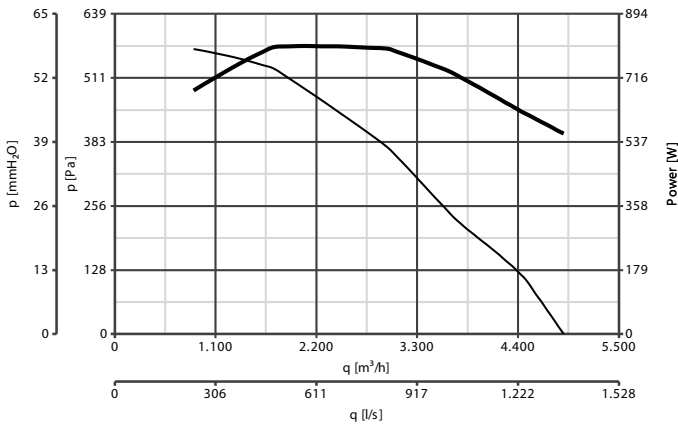
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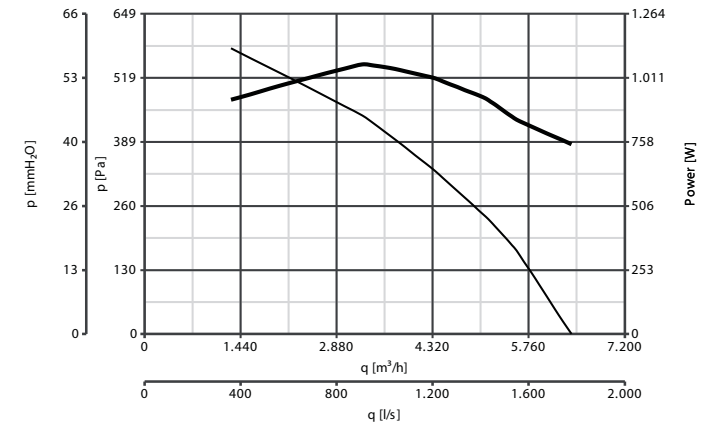
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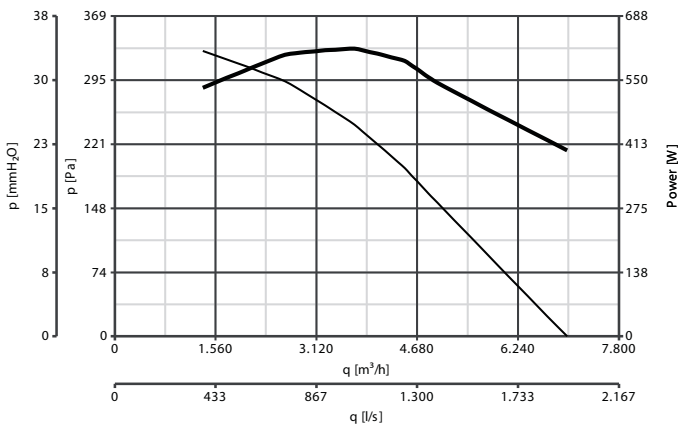
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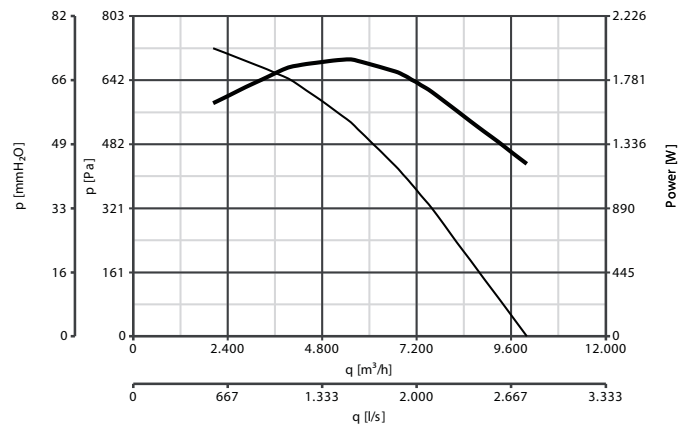
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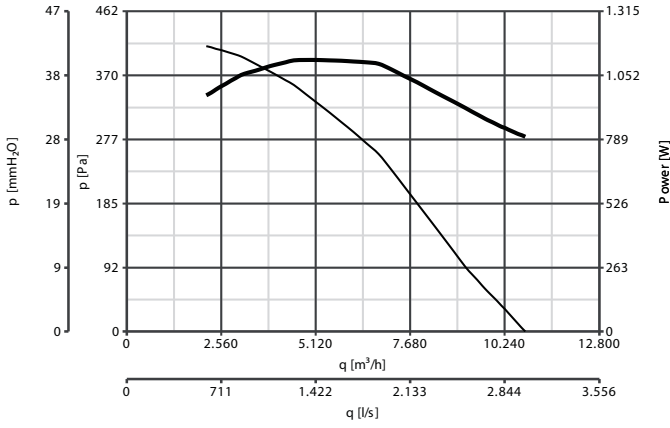
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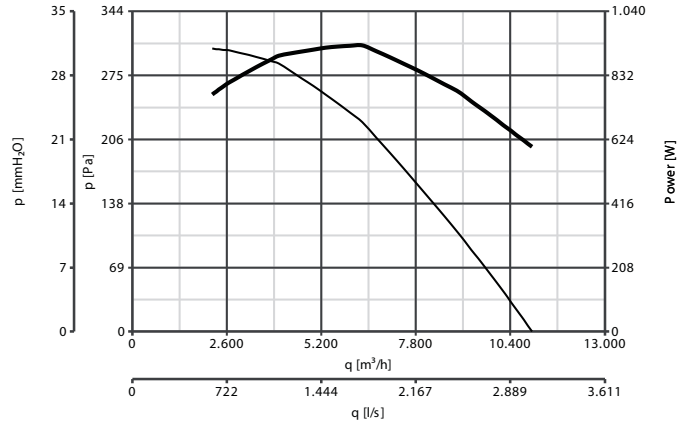
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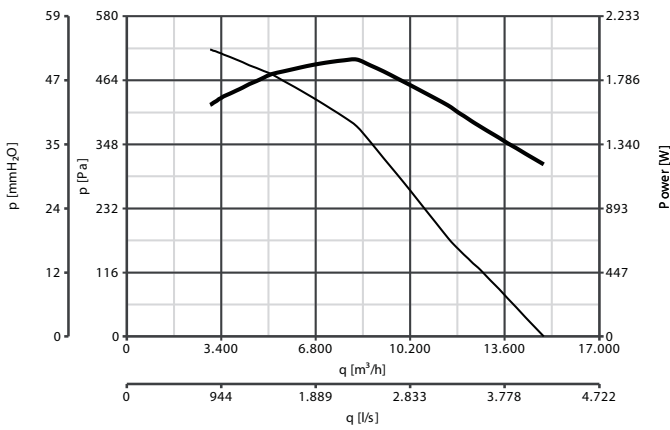
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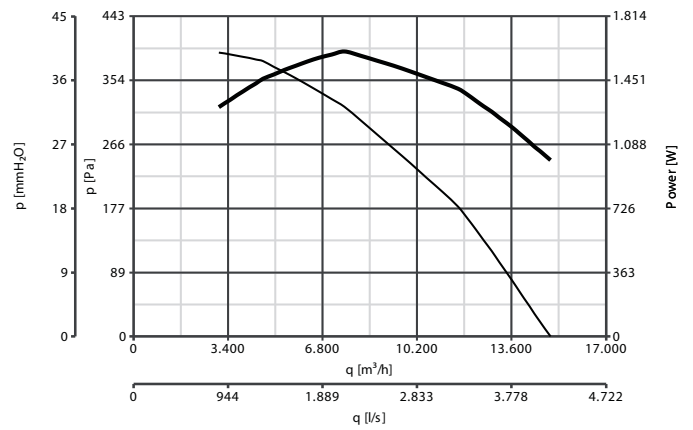
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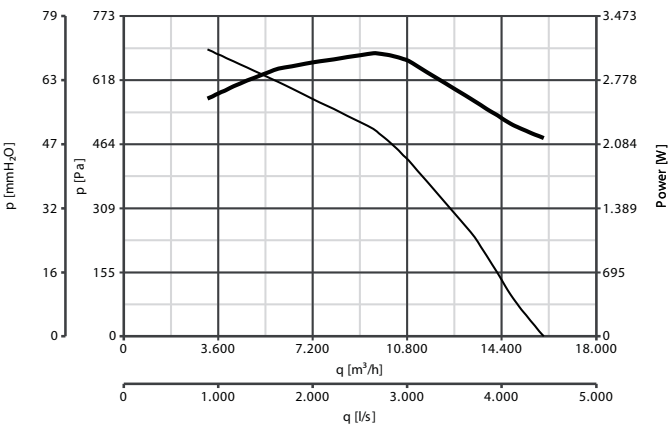
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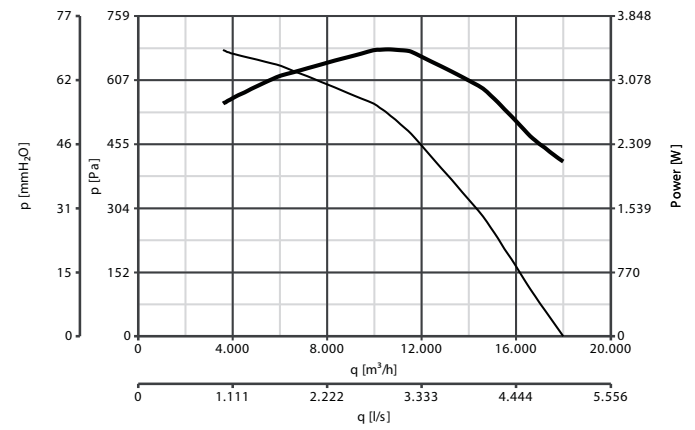
TRT 150 E 8P



TRT 180 E 6P



TRT 210 E 6P



— Delivery — Consumption



TORRETTE TR E-V RANGE

Centrifugal roof fans with vertical discharge

Suitable for application in residential and industrial environments, for factories, hospitals, nightclubs, offices, theatres, apartment blocks, gyms, restaurants, etc...
Easy to install on top of all roofs.



- **20 models: 6 single-phase and 14 three-phase.**
- Vertical air extraction via side partitions in galvanised sheet steel painted with polyester paint.
- Metal frame with anti-corrosion epoxy coating to guarantee a long service life and resistance to atmospheric agents.
- Air intake inlet with aerodynamic section, in sheet steel protected by polyester paint.
- Asynchronous induction motor, protection rating IP55, standard size UNELMEC B5, auto-ventilated, rotor mounted on ball bearings.
- Rotation speed can be adjusted using optional speed controllers.
- Flow rates of up to 18000 m³/h.
- Insulation class: I. ⊕
- *Available also in special version for hot fumes extraction (engineered for 2 hours continuous operation with fumes at 400 °C).*

For all technical and performance informations see the Vortice's Catalogue (Product Guide 21).

TECHNICAL DATA

	Models	Code	W	A	POLES	RPM	Max Airflow		Max Pressure		Lp dB(A)*	Max °C
							m ³ /h	l/s	mmH ₂ O	Pa		
Single-phase	TRM 10 E-V 4P	15180	100	0.50	4	1400	1100	306	22	216	56	90
	TRM 15 E-V 4P	15182	150	0.70	4	1400	1400	389	26	255	58.5	80
	TRM 20 E-V 4P	15197	280	1.30	4	1415	2600	722	36	353	62	85
	TRM 30 E-V 4P	15198	400	1.80	4	1425	3300	917	44	432	67	70
	TRM 50 E-V 4P	15199	800	3.70	4	1480	4800	1333	55	540	72.5	80
	TRM 70 E 4P	15188	1000	4.35	4	1415	6400	1778	67.5	662	77	90
Three-phase	TRT 10 E-V 4P	15181	100	0.30	4	1400	1100	306	22	216	56	90
	TRT 15 E-V 4P	15183	150	0.30	4	1400	1400	389	26	255	58.5	90
	TRT 20 E-V 4P	15184	300	0.60	4	1400	2700	750	35	343	62	90
	TRT 30 E-V 4P	15185	400	0.75	4	1400	3200	889	46	451	67	90
	TRT 50 E-V 4P	15186	800	1.45	4	1400	4900	1361	61	598	72.5	90
	TRT 70 E-V 4P	15187	950	1.85	4	1440	6400	1778	69	674	77	90
	TRT 70 E-V 6P	15189	600	1.30	6	950	7000	1944	38	373	74	90
	TRT 100 E-V 4P	15190	1900	3.25	4	1420	10000	2778	84.5	830	84	70
	TRT 100 E-V 6P	15191	1100	2.30	6	950	10800	3000	48	471	77	85
	TRT 100 E-V 8P	15192	930	2.10	8	715	11000	3056	34	334	71	80
	TRT 150 E-V 6P	15193	1930	3.45	6	930	15000	4167	61	598	80	80
	TRT 150 E-V 8P	15194	1600	3.10	8	715	15000	4167	45	441	74	75
	TRT 180 E-V 6P	15195	3100	5.95	6	970	16000	4444	79	775	83	80
	TRT 210 E-V 6P	15196	3400	6.40	6	980	18000	5000	79	775	84	70

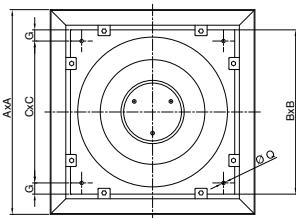
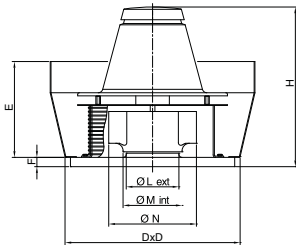
* The sound pressure values conform to standard ISO 3744.

The appliances are designed so that they are able to operate at an air temperature more than 65°C.

Electric supply: 230 V ~ 50 Hz (Single-phase)
 400 V ~ 50 Hz (Three-phase).



DIMENSIONS



Models	Ø A	Ø B	Ø C	D	E	F	G	H	Ø L	Ø M	Ø N	Ø Q	Kg
TRM 10 E-V 4P	652	410	357	440	328	38	26.5	502	170	187.5	283	11	23
TRM 15 E-V 4P	652	410	357	440	328	38	26.5	502	182	199	315	11	24
TRM 20 E-V 4P	907	550	500	580	432	38	25	586	219	236.5	359	11	43
TRM 30 E-V 4P	907	550	500	580	432	38	25	604	244	265.5	404	11	45
TRM 50 E-V 4P	907	550	500	580	432	38	25	631	278	298	454	11	51
TRM 70 E 4P	1144	830	750	860	491	38	40	723	328	335	504	12	105
TRT 10 E-V 4P	652	410	357	440	328	38	26.5	502	170	187.5	283	11	23
TRT 15 E-V 4P	652	410	357	440	328	38	26.5	502	182	199	315	11	24
TRT 20 E-V 4P	907	550	500	580	432	38	25	586	219	236.5	359	11	43
TRT 30 E-V 4P	907	550	500	580	432	38	25	604	244	265.5	404	11	45
TRT 50 E-V 4P	907	550	500	580	432	38	25	631	278	298	454	11	51
TRT 70 E-V 4P	1144	830	750	860	491	38	40	723	328	335	504	12	103
TRT 70 E-V 6P	1144	830	750	860	491	38	40	723	365	375	564	12	106
TRT 100 E-V 4P	1144	830	750	860	491	38	40	723	365	375	504	12	107
TRT 100 E-V 6P	1462	980	900	1010	595	38	40	903	415	421	635	12	161
TRT 100 E-V 8P	1462	980	900	1010	595	38	40	903	465	472	715	12	171
TRT 150 E-V 6P	1462	980	900	1010	595	38	40	903	465	472	715	12	172
TRT 150 E-V 8P	1462	980	900	1010	595	38	40	903	520	529	805	12	176
TRT 180 E-V 6P	1462	980	900	1010	595	38	40	903	520	529	805	12	176
TRT 210 E-V 6P	1462	980	900	1010	595	38	40	903	520	529	805	12	180

Dimensions (mm)

ACCESSORIES

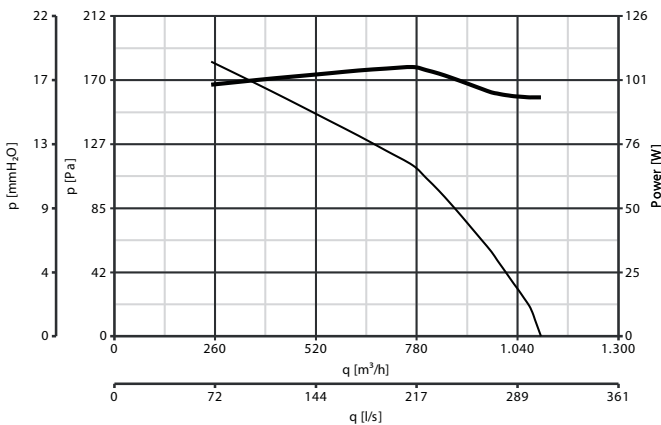
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	IRM 30 Three position single-phase speed controller	12921	●	●																				
	IRM 40 Three position single-phase speed controller	12922			●	●																		
	IRM 50 Three position single-phase speed controller	12928																						
	IRT 15 Three position three-phase speed controller	12923							●	●	●													
	IRT 35 Three position three-phase speed controller	12924										●	●		●					●				
	IRT 40 Three position three-phase speed controller	12927												●				●						
	IREM 3 Single-phase speed controller	12931	●	●	●	●																		
	IREM 5 Single-phase speed controller	12932																						
	IREM 9 Single-phase speed controller	12933																						
	IRET 6 Three-phase speed controller	12934											●	●		●	●	●	●					



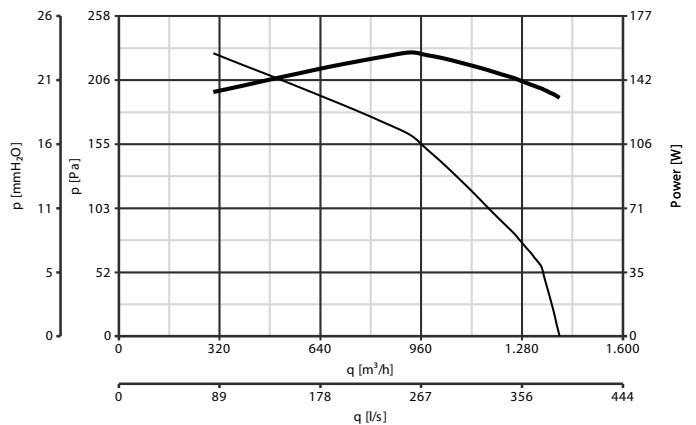
Models	Code	Product																				
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	IRET INVERTER 1.2 Three-phase speed controller INVERTER	12909						•	•	•	•											
	IRET INVERTER 2.2 Three-phase speed controller INVERTER	12925										•	•	•			•	•				
	IRET INVERTER 5 Three-phase speed controller INVERTER	12947													•			•	•			
	IREM INVERTER 1.4 Single-phase speed controller INVERTER	12935						•	•	•	•											
	IREM INVERTER 4.2 Single-phase speed controller INVERTER	12936										•	•	•			•	•				
	IREM INVERTER 7 Single-phase speed controller INVERTER	12937													•			•	•			
	C 1.5 Speed controller	12966	•	•																		
	TR-CU 10/15 Sub-frame	22511	•	•				•	•													
	TR-CU 20/30/50 Sub-frame	22512			•	•	•															
	TR-CU 70/100 Sub-frame	22539						•						•	•	•						
	TR-CU 100/150-6P/8P Sub-frame	22540														•	•	•	•	•	•	•
	TR-S 10/15 Backdraught shutter	22500	•	•				•	•													
	TR-S 20/30/50 Backdraught shutter	22510			•	•	•															
	TR-S 70/100 4P Backdraught shutter	22541						•						•	•	•						
	TR-S 100 6P-8P/150/180/210 Backdraught shutter	22542														•	•	•	•	•	•	•
	TR-B 10/15 Suction connector	22600	•	•				•	•													
	TR-B 20/30/50 Suction connector	22610			•	•	•						•	•	•							
	TR-B 70/100 4P Suction connector	22508						•								•	•	•				
	TR-B 100 6P-8P/150/180/210 Intake port protection grille	22509															•	•	•	•	•	•
	TRG 10/15 Intake port protection grille	22700	•	•				•	•													
	TRG 20/30/50 Intake port protection grille	22710			•	•	•						•	•	•							
	TRG 70/100 Intake port protection grille	22506						•						•	•	•						
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PERFORMANCE CURVES

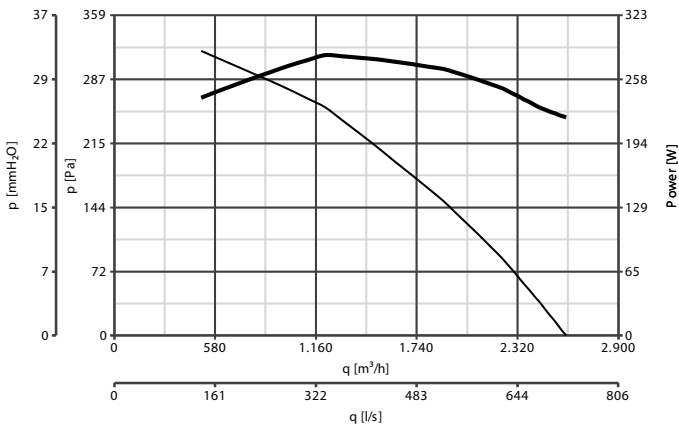
TRM 10 E-V 4P



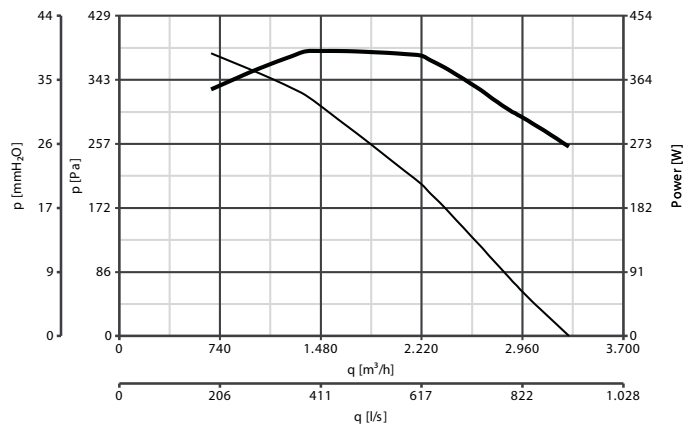
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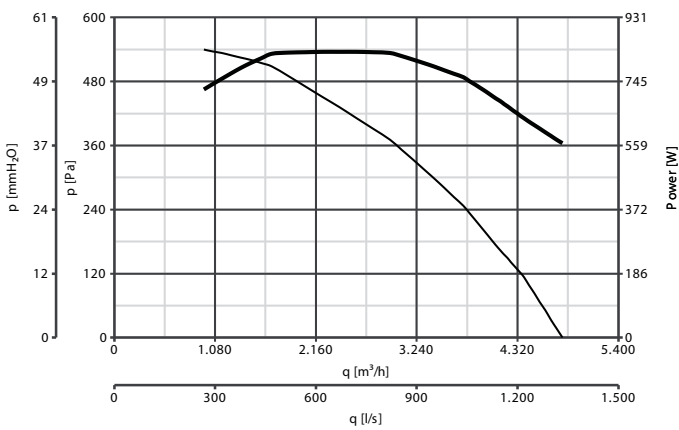
TRM 20 E-V 4P



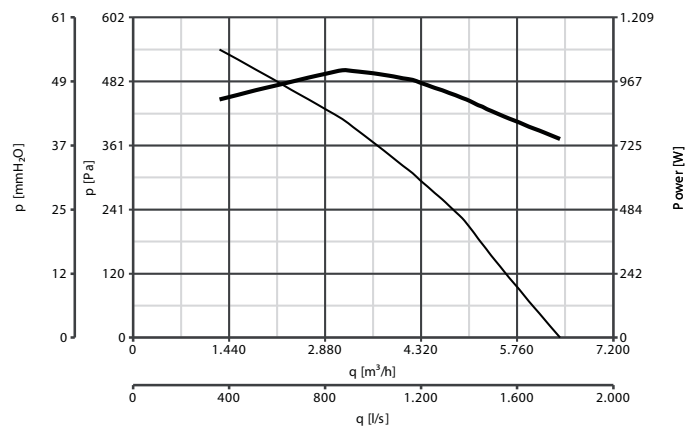
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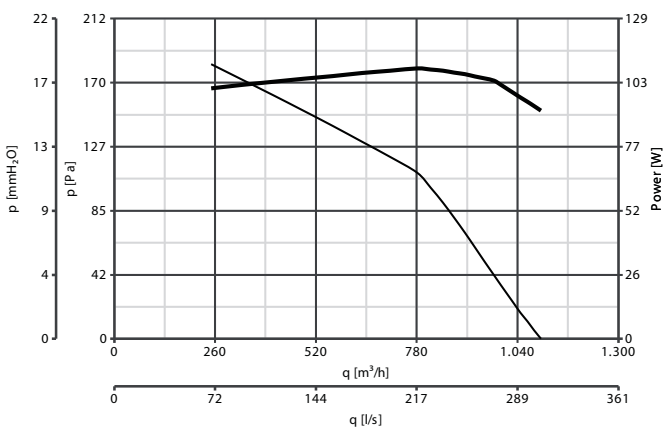
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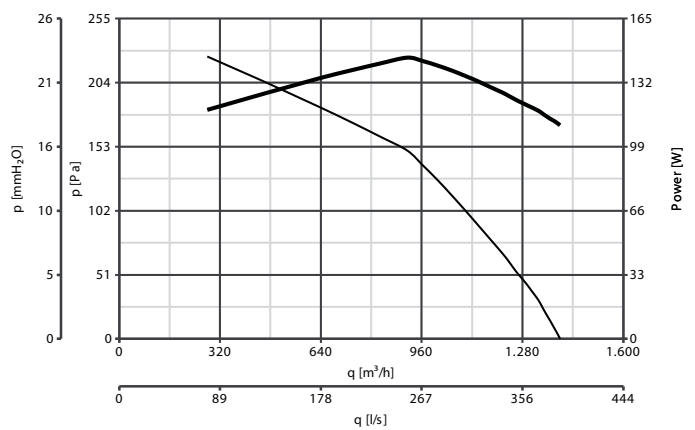
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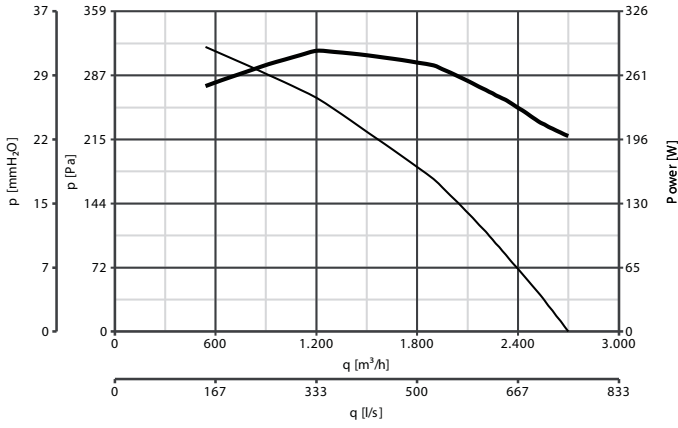
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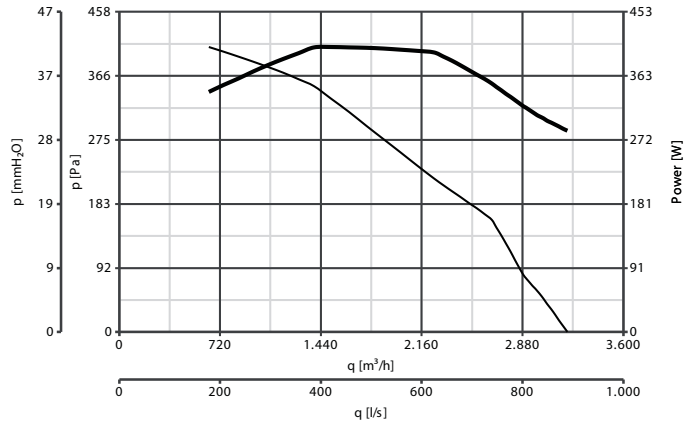
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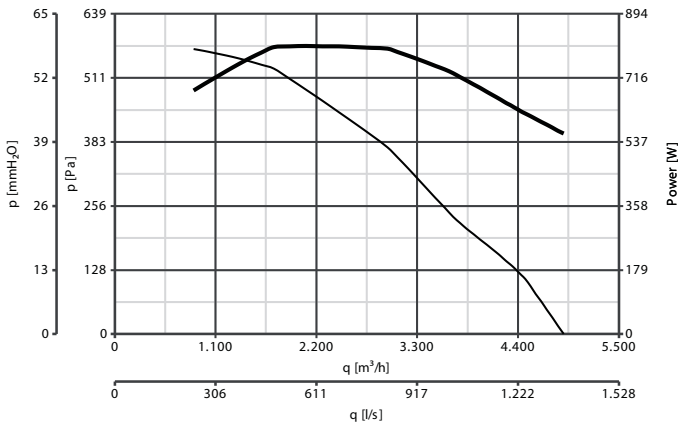
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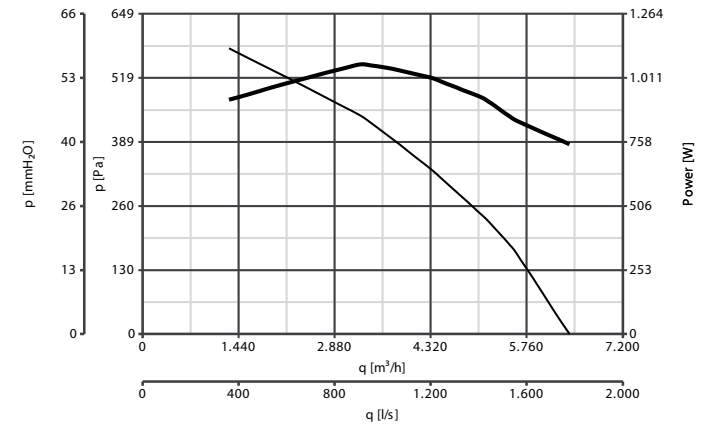
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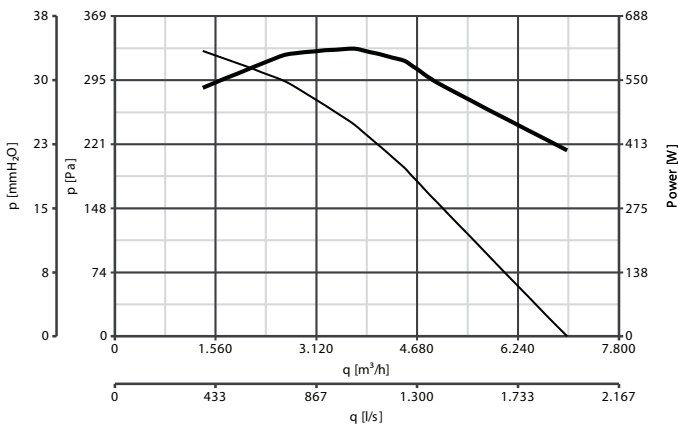
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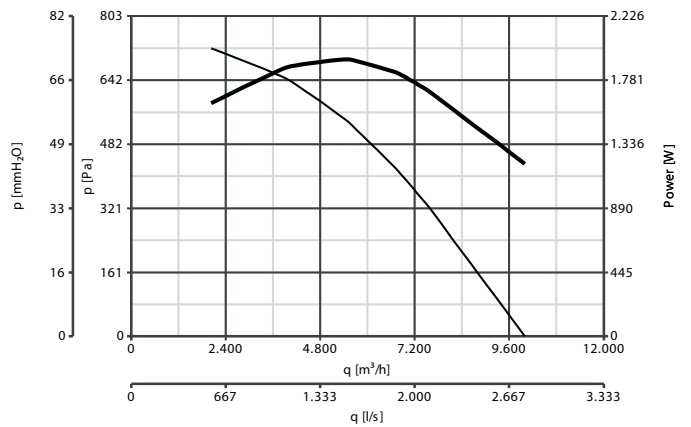
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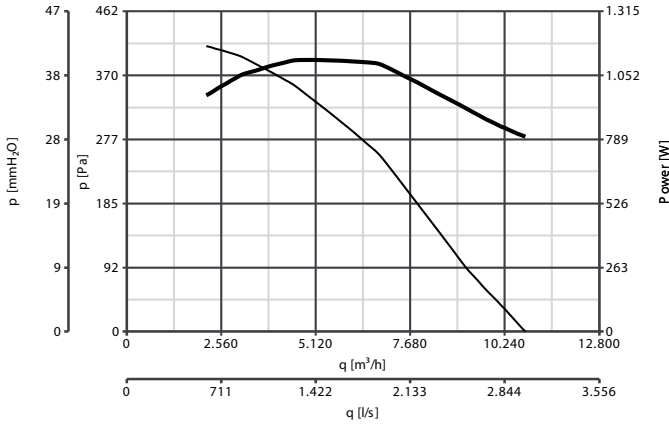
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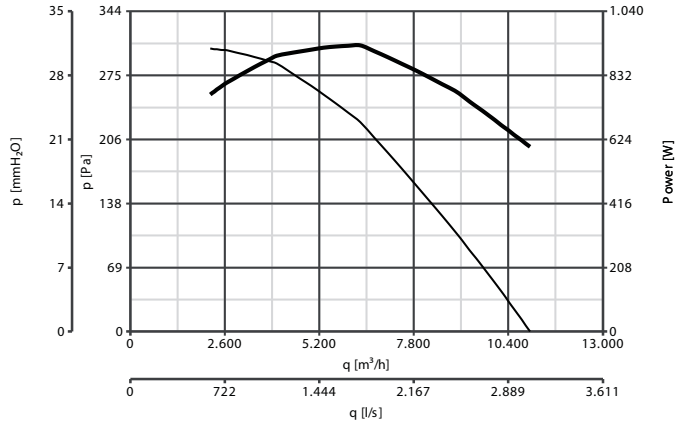
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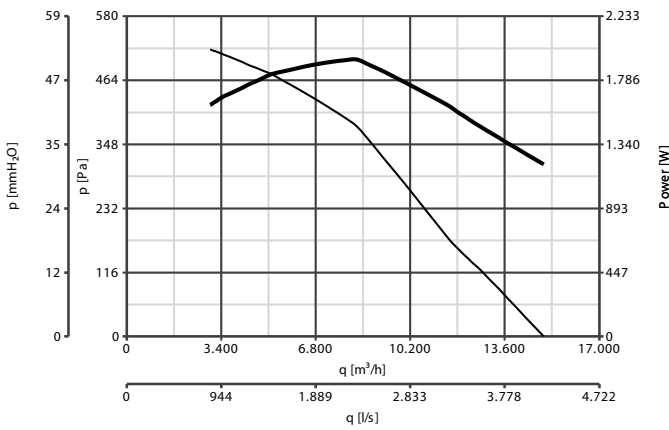
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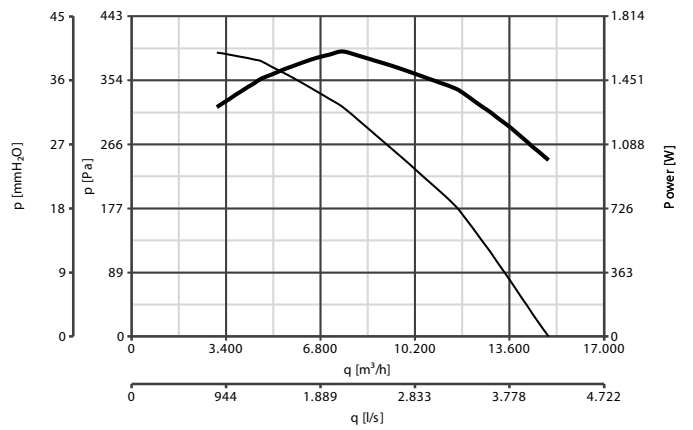
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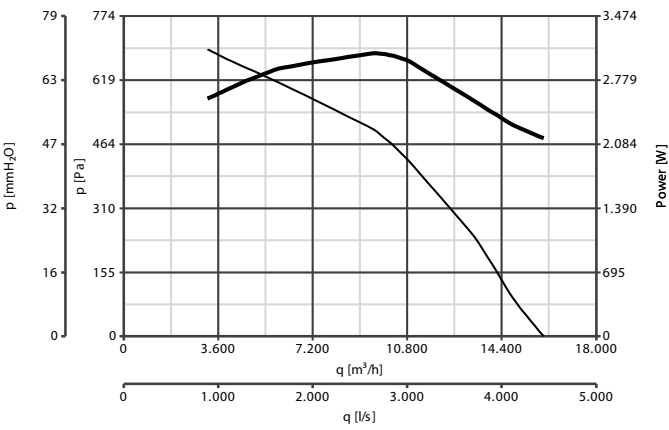
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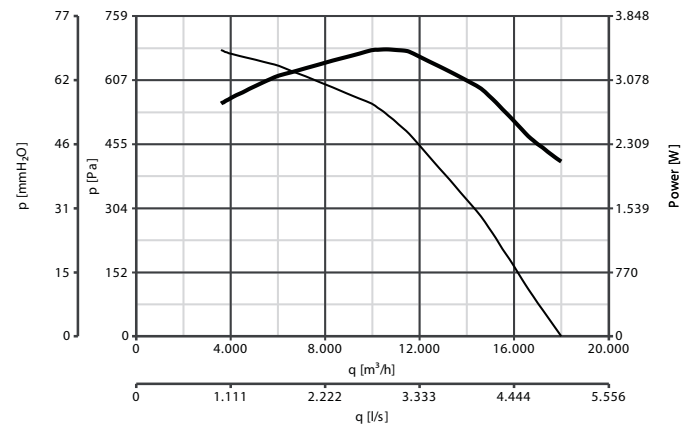
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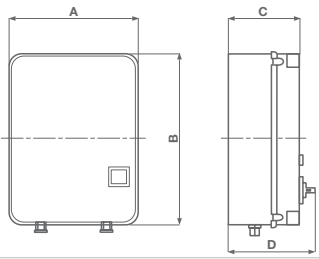
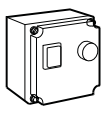
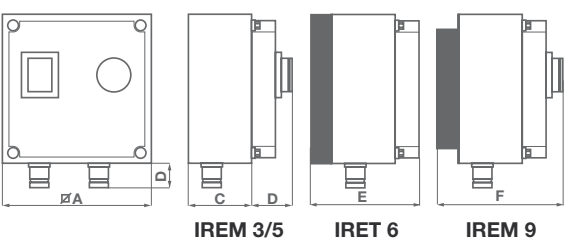

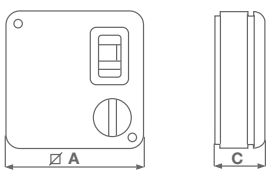

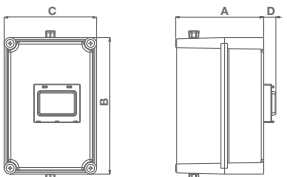
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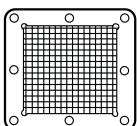
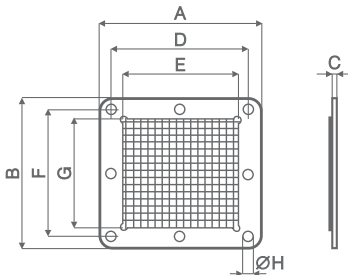
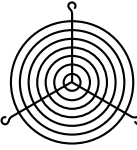
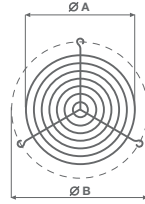
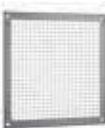
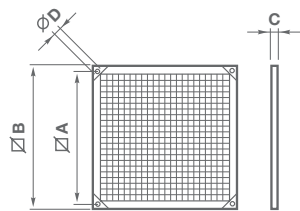


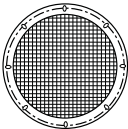
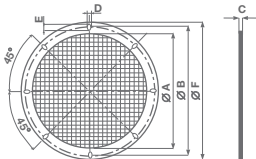

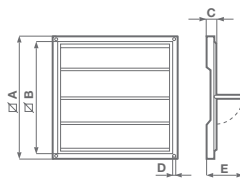
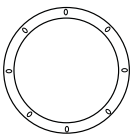
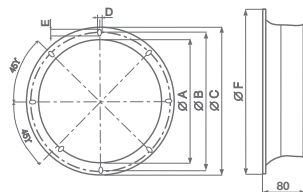
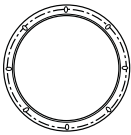
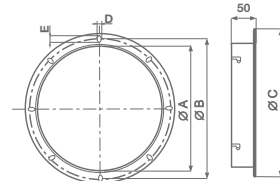
— Delivery — Consumption

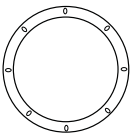
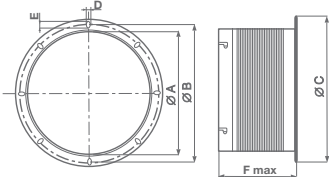
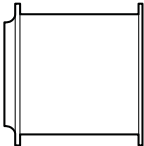
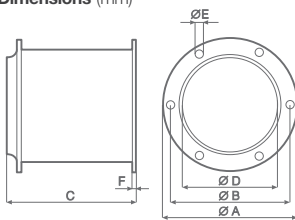
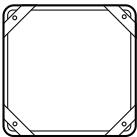
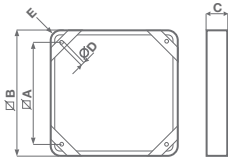


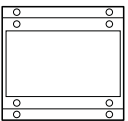
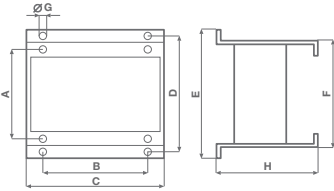
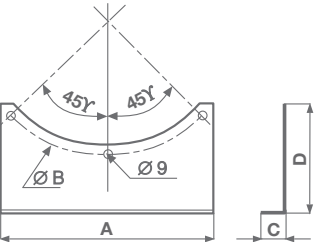
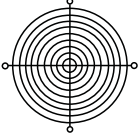
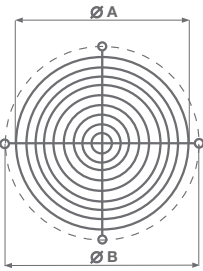
INDUSTRIAL VENTILATION ACCESSORIES

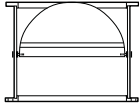
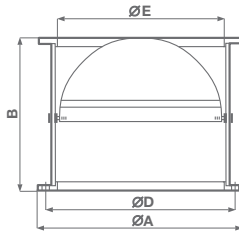
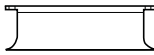
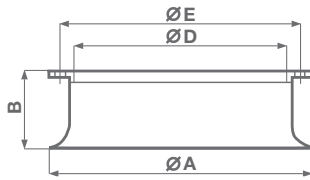
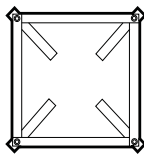
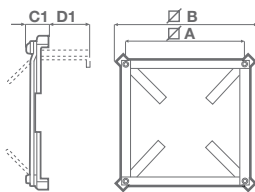
Models		Code	Dimensions																																																																																															
 <p>IRM - IRT Variable voltage drive for industrial extractor fans - 3-position variable speed drive</p> <table border="1"> <thead> <tr> <th>Models</th> <th>Code</th> <th>V~50Hz</th> <th>A</th> <th>Kg</th> <th>Isulation</th> <th>IP</th> </tr> </thead> <tbody> <tr> <td>IRM 30</td> <td>12921</td> <td>220-240</td> <td>1.2</td> <td>3.8</td> <td>Cl.I</td> <td>56</td> </tr> <tr> <td>IRM 40</td> <td>12922</td> <td>220-240</td> <td>3.5</td> <td>6.1</td> <td>Cl.I</td> <td>56</td> </tr> <tr> <td>IRM 50</td> <td>12928</td> <td>220-240</td> <td>4.8</td> <td>6</td> <td>Cl.I</td> <td>56</td> </tr> <tr> <td>IRT 15</td> <td>12923</td> <td>220-240</td> <td>0.75</td> <td>6.3</td> <td>Cl.I</td> <td>56</td> </tr> <tr> <td>IRT 35</td> <td>12924</td> <td>220-240</td> <td>2.6</td> <td>11</td> <td>Cl.I</td> <td>56</td> </tr> <tr> <td>IRT 40</td> <td>12927</td> <td>220-240</td> <td>4.5</td> <td>13</td> <td>Cl.I</td> <td>56</td> </tr> </tbody> </table>	Models	Code	V~50Hz	A	Kg	Isulation	IP	IRM 30	12921	220-240	1.2	3.8	Cl.I	56	IRM 40	12922	220-240	3.5	6.1	Cl.I	56	IRM 50	12928	220-240	4.8	6	Cl.I	56	IRT 15	12923	220-240	0.75	6.3	Cl.I	56	IRT 35	12924	220-240	2.6	11	Cl.I	56	IRT 40	12927	220-240	4.5	13	Cl.I	56		<p>12921 12922 12928 12923 12924 12927</p> <table border="1"> <thead> <tr> <th>Models</th> <th>Code</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>IRM 30</td> <td>12921</td> <td>200</td> <td>254</td> <td>99</td> <td>128</td> </tr> <tr> <td>IRM 40</td> <td>12922</td> <td>236</td> <td>315</td> <td>128</td> <td>157</td> </tr> <tr> <td>IRM 50</td> <td>12928</td> <td>236</td> <td>315</td> <td>128</td> <td>157</td> </tr> <tr> <td>IRT 15</td> <td>12923</td> <td>236</td> <td>315</td> <td>128</td> <td>157</td> </tr> <tr> <td>IRT 35</td> <td>12924</td> <td>236</td> <td>315</td> <td>128</td> <td>157</td> </tr> <tr> <td>IRT 40</td> <td>12927</td> <td>236</td> <td>315</td> <td>128</td> <td>157</td> </tr> </tbody> </table> <p>Dimensions (mm)</p> 	Models	Code	A	B	C	D	IRM 30	12921	200	254	99	128	IRM 40	12922	236	315	128	157	IRM 50	12928	236	315	128	157	IRT 15	12923	236	315	128	157	IRT 35	12924	236	315	128	157	IRT 40	12927	236	315	128	157					
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IRET 6	12934	175	-	-	30	105																																																																																												
 <p>C 1.5 Non reversible variable electronic speed controller - Not suitable for products with timer or automatic shutters - Convertible to flush-mounted using SCB kit - Weight 0.2 Kg - Maximum load: 200 W - Double insulation</p>		<p>12966</p>  <table border="1"> <thead> <tr> <th>∅A</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>43</td> </tr> </tbody> </table> <p>Dimensions (mm)</p>	∅A	C	120	43																																																																																												
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	<p>C-MS Support for wall mounting with fixings - To fix the fan to the wall</p>	<p>22836 22837 22838 22839 22840</p>	<table border="1"> <thead> <tr> <th>Models</th> <th>Code</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>Ø G</th> <th>H</th> <th>MEC</th> </tr> </thead> <tbody> <tr> <td>C-MS 20/25</td> <td>22836</td> <td>112</td> <td>90</td> <td>120</td> <td>187</td> <td>220</td> <td>152</td> <td>8</td> <td>125</td> <td>71</td> </tr> <tr> <td>C-MS 30</td> <td>22837</td> <td>112</td> <td>90</td> <td>120</td> <td>187</td> <td>220</td> <td>160</td> <td>8</td> <td>170</td> <td>71</td> </tr> <tr> <td>C-MS 31/35</td> <td>22838</td> <td>112</td> <td>90</td> <td>120</td> <td>187</td> <td>220</td> <td>160</td> <td>8</td> <td>200</td> <td>71</td> </tr> <tr> <td>C-MS 37/40</td> <td>22839</td> <td>125</td> <td>100</td> <td>140</td> <td>200</td> <td>235</td> <td>165</td> <td>10</td> <td>230</td> <td>80</td> </tr> <tr> <td>C-MS 45</td> <td>22840</td> <td>140</td> <td>125</td> <td>175</td> <td>215</td> <td>250</td> <td>180</td> <td>10</td> <td>300</td> <td>90</td> </tr> </tbody> </table>									Models	Code	A	B	C	D	E	F	Ø G	H	MEC	C-MS 20/25	22836	112	90	120	187	220	152	8	125	71	C-MS 30	22837	112	90	120	187	220	160	8	170	71	C-MS 31/35	22838	112	90	120	187	220	160	8	200	71	C-MS 37/40	22839	125	100	140	200	235	165	10	230	80	C-MS 45	22840	140	125	175	215	250	180	10	300	90
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	<p>TR-S Galvanized sheet-metal backdraught shutter - Fitted to the appliance delivery side to prevent air from re-entering when the appliance is switched off</p>	<p>22500 22510 22541 22542</p>	<table border="1"> <thead> <tr> <th>Models</th> <th>Code</th> <th>Ø A</th> <th>B</th> <th>Ø D</th> <th>Ø E</th> </tr> </thead> <tbody> <tr> <td>TR-S 10/15</td> <td>22500</td> <td>270</td> <td>210</td> <td>254</td> <td>225</td> </tr> <tr> <td>TR-S 20/30/50</td> <td>22510</td> <td>375</td> <td>210</td> <td>359</td> <td>327</td> </tr> <tr> <td>TR-S 70/100</td> <td>22541</td> <td>520</td> <td>260</td> <td>500</td> <td>430</td> </tr> <tr> <td>TR-S 100/150/180/210 6P/8P</td> <td>22542</td> <td>660</td> <td>310</td> <td>640</td> <td>570</td> </tr> </tbody> </table>	Models	Code	Ø A	B	Ø D	Ø E	TR-S 10/15	22500	270	210	254	225	TR-S 20/30/50	22510	375	210	359	327	TR-S 70/100	22541	520	260	500	430	TR-S 100/150/180/210 6P/8P	22542	660	310	640	570	<p>Dimensions (mm)</p> 				
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02/13

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